

ZOLOTAREV, T.L.; LIFSHITS, L.S.; RUDNEV, A.K.; TARASENKO, Yu.M.

Possibilities of emergency regulation of the power of the
hydraulic turbines. Nauch.dokl.vys.shkoly; energ. no.2:
115-124 '59. (MIRA 13:1)
(Hydraulic turbines)

ZOLOTAREV, T.L., prof., doktor tekhn.nauk; LIFSHITS, L.S., kand.tekhn.
nauk; TARASENKO, Yu.M., inzh.; RUDNEV, A.K., inzh.

Dynamic characteristics of a hydraulic unit and their
simulation. Izv.vys.ucheb.zav.; energ. 3 no.5:144-151
May '60. (MIRA 13:6)

1. Moskovskiy ordena Lenina energeticheskiy institut. Pred-
stavlena kafedroy gidroenergetiki.
(Hydroelectric power stations)

LIFSHITS, Leopol'd Yefimovich; RATINOV, V.B., nauchnyy red.;
MIKHAL'CHUK, Z.V., red.; PEREDERIY, S.P., tekhn. red.

[Manufacture of gypsum board] Proizvodstvo gipsovykh obshivayushchikh listov. Moskva, Proftekhizdat, 1963. 155 p.
(MIRA 16:7)

(Gypsum products)

LIFSHITS, L.Z.

Geography and Geology

Chinskaya tayga. Irkutsk. obl. izd., 1950.

Monthly List of Russian Accessions, Library of Congress, October 1952. UNCLASSIFIED.

LIFSHITS, M.

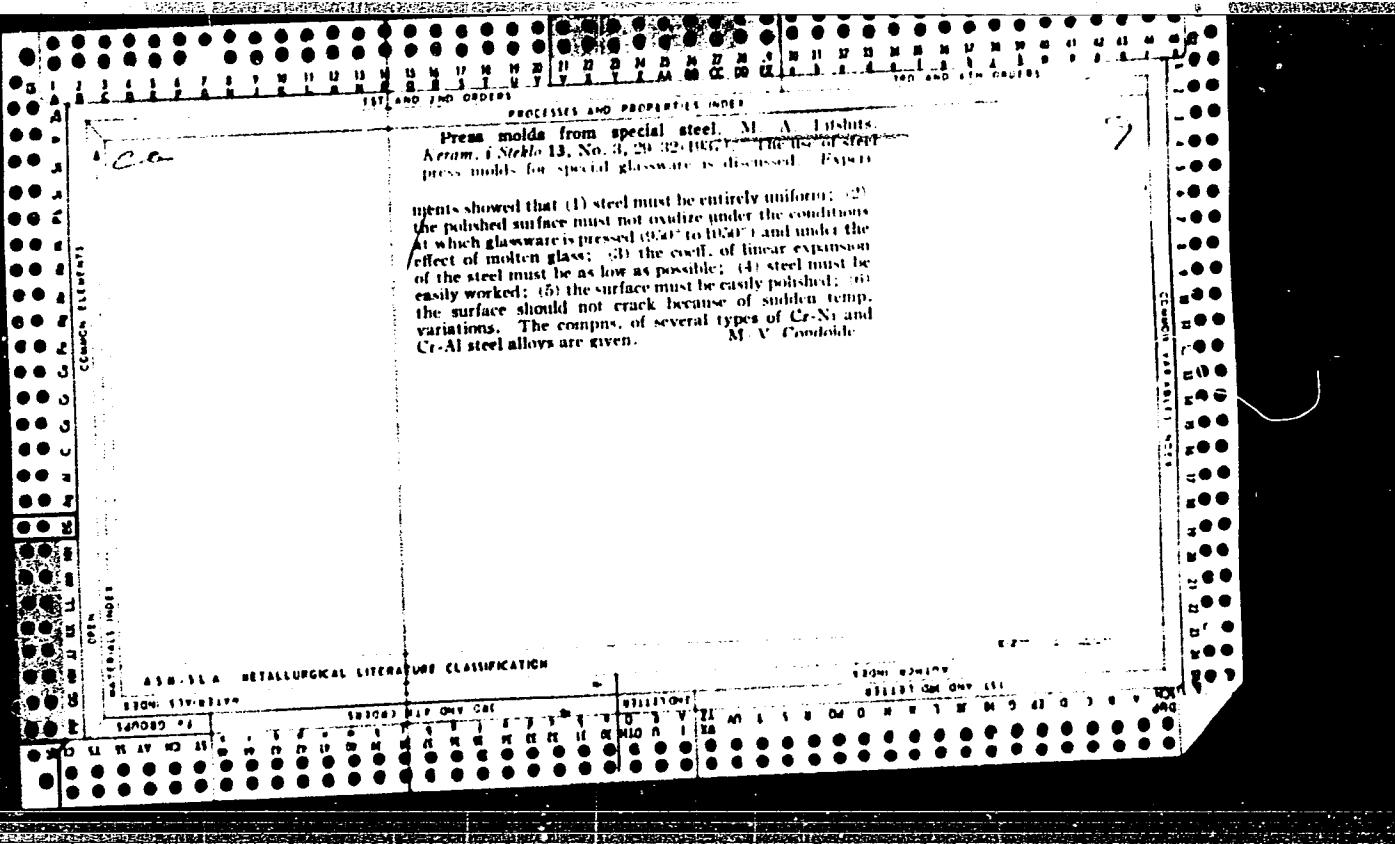
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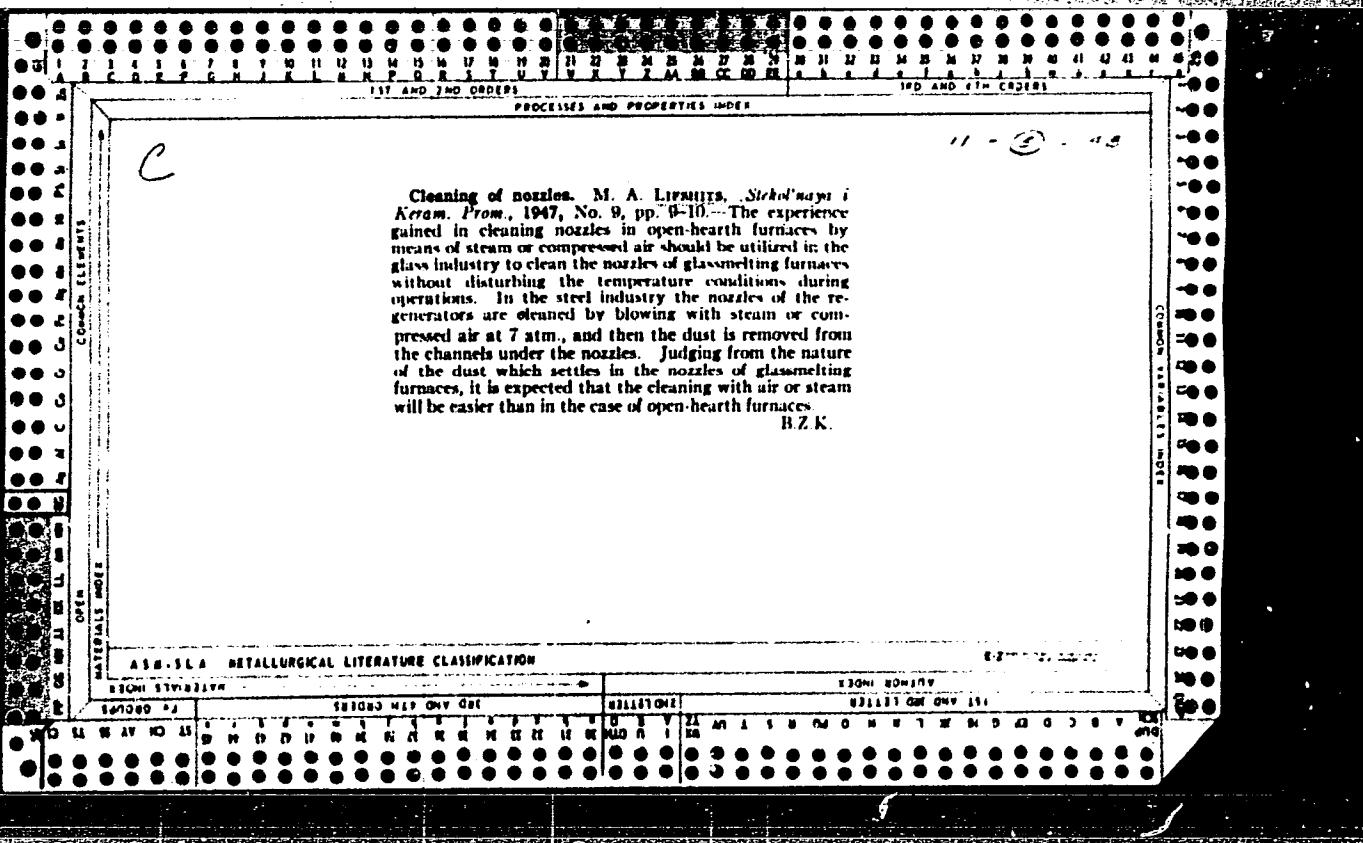
Macroscopic Description of the Phenomenon of Twinning of Crystals. (In Russian.) M. Lifshits, *Zhurnal Eksperimental'noi i Teoreticheskoi Fiziki* (Journal of Experimental and Theoretical Physics), v. 18, Dec. 1948, p. 1134-1143.

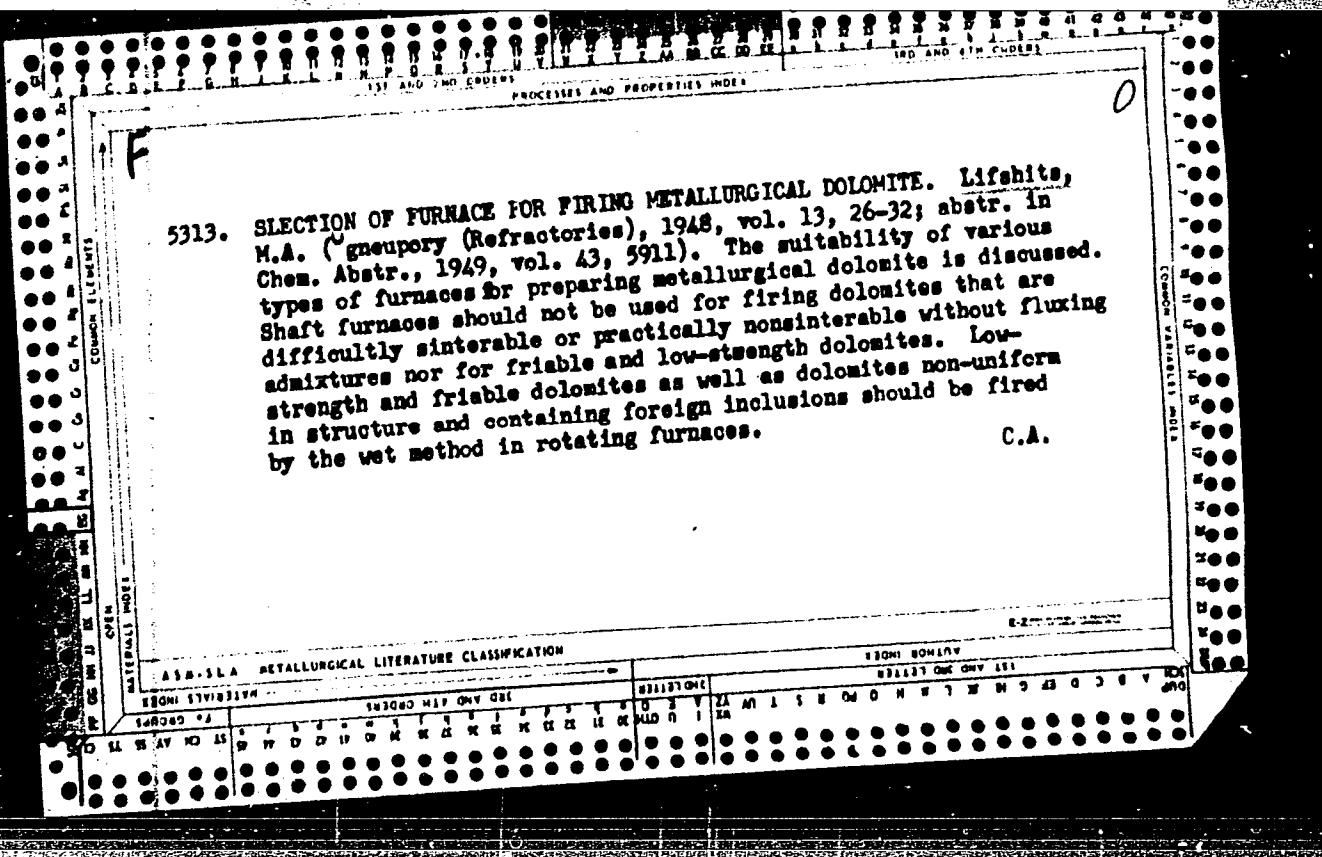
Presents description of the above phenomenon based on a theory of the nonlinear relationship between stress-deformation tensors. The consequences of requiring mechanical and thermodynamic stability were investigated. Obtained results permit satisfactory interpretation of most of the effects observed by Garber. 11 ref.

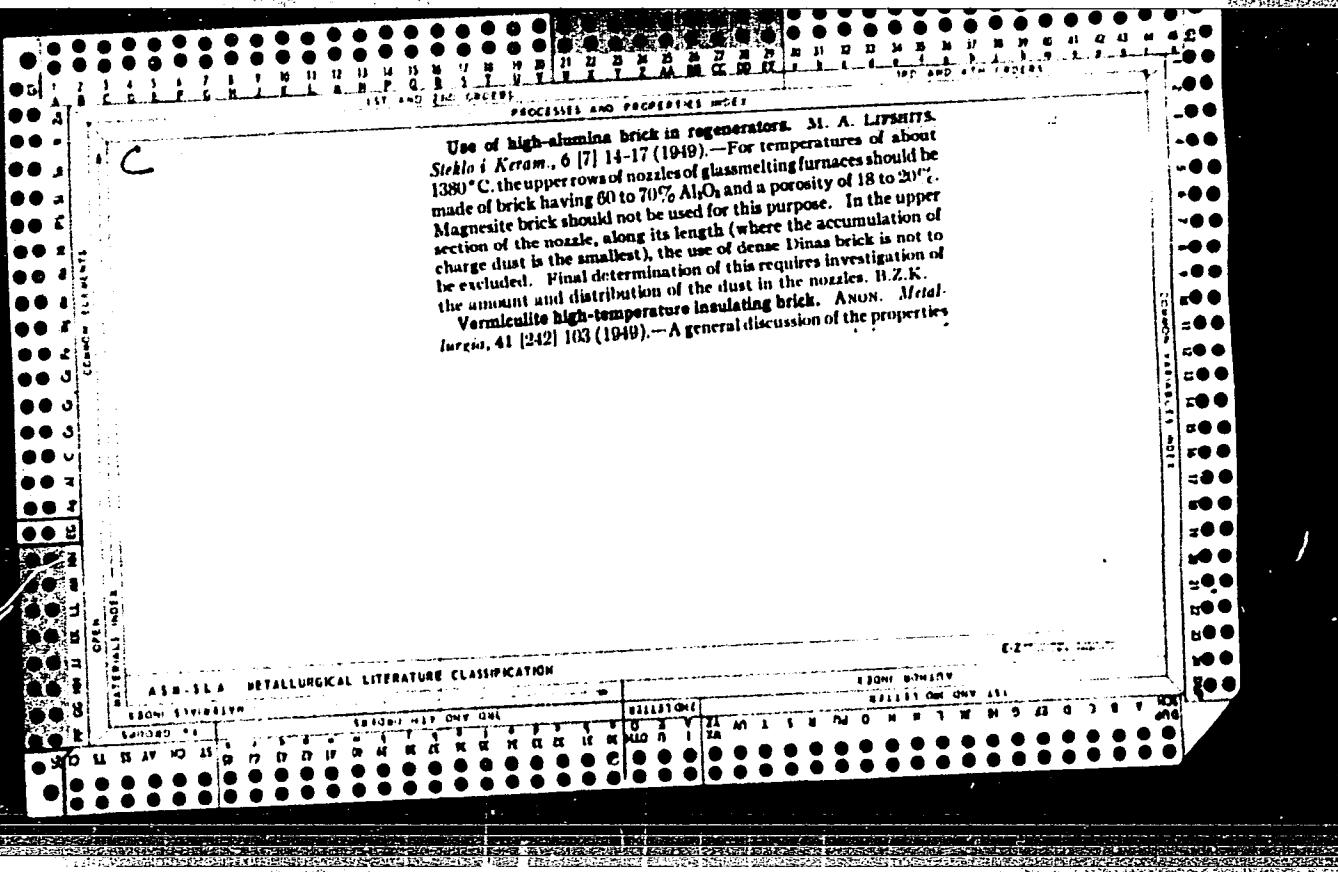
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LIFSHITS, M.A.

USSR/Chemical Technology - Chemical Products and Their Application. Silicates.
Glass. Ceramics. Binders, I-9

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 62346

Author: Lifshits, M. A.

Institution: Nome Gipromez

Title: Increase in Sulfur Content of Metallurgical Lime During the Calcining Process

Original

Periodical: Sb. Staleplavil'noye proiz-vo, Nc 1, Moscow, Metallurgizdat, 1956,
120-123

Abstract: To determine the effects of furnace type and fuel variety on the sulfur content of lime (L) tests were made of the increase in sulfur content of L during calcining of limestone in continuous operation kilns of 3 metallurgical plants. It was found that increase in sulfur content of metallurgical lime is extremely slight and might be of importance in selection of the type of kiln only in the production of L especially free of sulfur.

Card 1/1

PHASE I BOOK EXPLOITATION SOV/4185

Lifshits, Mark Aleksandrovich

Ogneupory v chernoy metallurgii; spravochnik (Refractories in Ferrous Metallurgy; a Handbook) Moscow, Metallurgizdat, 1960. 267 p. Errata slip inserted. 4,200 copies printed.

Ed.: A. A. Korsakov; Ed. of Publishing House: S. I. Venetskiy; Tech. Ed.: I. M. Evenson.

PURPOSE: This book is intended for technical personnel in metallurgical plants. It may be of interest to all industrial establishments using refractories.

COVERAGE: The book describes the properties of refractory materials. The classification of refractories according to existing standards and engineering specifications is shown. The properties of refractory materials, not specified by standards, but which are important in building furnaces and in the equipment used in the handling of molten metals in metallurgical plants are also discussed. Data on the consumption of refractory materials in steel-making, steel rolling, coke production, and in the auxiliary shops of

Card 1/17

Refractories in Ferrous Metallurgy (Cont.)

SOV/4185

metallurgical plants are provided. Methods of determining refractory materials requirements in the construction and operation of metallurgical plants are described. The author thanks Professor Sergey Vladimirovich Glebov. There are 47 references, all Soviet.

TABLE OF CONTENTS:

Preface	8
Introduction	9
GENERAL INFORMATION	
I. Classification of Refractory Products	11
II. Properties of Refractory Materials and Methods of Determining Them	14
III. Application of Refractories in Metallurgical Plants	17
REFRACTORIES IN PRODUCTION OF PIG IRON	
I. Service Conditions for Refractory Materials in Blast Furnaces and Their Requirements	20

Card 2/17

LIFSHITS, M.A., referent

Using sea water in manufacturing magnesite in England.
Ogneupory 25 no.9:430-431 '60. (MIRA 13:8)
(Great Britain--Magnesite)

LIFSHITS, M. D.

4E2C

18

1. Use of the Oxygen tuyere in the Treatment of Cast Iron in the Cupola Fore-Hearth. [M. D. Lifshits. (Etienne Prospektov, 1956, 11, 37-29).] [In Russian.] A full scale investigation is described on the behaviour of various types of tuyeres for oxygen-blown the metal in the manufacture of medium-manganese cast iron. Fireclay, chrome-magnonite, magnesite and dolomites bricks for tuyere lining were compared. The oxygen at 6-7 atm. was blown through a 3-mm dia. tube into the cupola forehearth producing 3-3.5 t/hr, the iron temperature rising to 1480-1490° C. An improved tuyere construction and operating procedure has been developed permitting the adoption of a two-shift system. The procedure involves deliberate increase in local wear at certain points, giving greater overall service life.—S. K.

R.G. a.m.

LIFSHITS, M.D.; YEMEL'YANOV, D.D.

Automatic control of liquid cast iron temperature measurements.
Lit. proizv. no. 3-41-42 Mr '62. (MIRA 15:3)
(Liquid metals) (Thermocouples)

CA LIFSHITS, M.I.

21

Hygienic evaluation of the natural gas of Dashava location. V. Z. Martynyuk and M. I. Lifshits (L'vov Epidemiol. Inst.). *Gigiena i Sanit.* 1931, No. 1, p-13.—The gas contains 97.88 vol. % CH₄, 0.5 C₂H₆, 0.16 C₃H₈, 0.13% C₄H₁₀, 1.25% N₂, and 0.08% CO₂. The most explosive mixt. with air contains 8-9.6% of the gas. Use of the gas for household purposes may lead to accumulation of considerable amts. of CO and incomplete combustion products. The necessary informative measures for regions supplied with this gas are advocated. G. M. Kreslavoff

NIKONETS, I.F., LIFSHITS, M.I.

Carbon monoxide poisoning in a paint and varnish factory.
Gig. i san. 23 no.8:75 Ag '58 (MIRA 11:9)

1. Iz L'vovskoy gorodskoy sanitarno-epidemiologicheskoy stantsii.
(CARBON MONOXIDE--TOXICOLOGY)

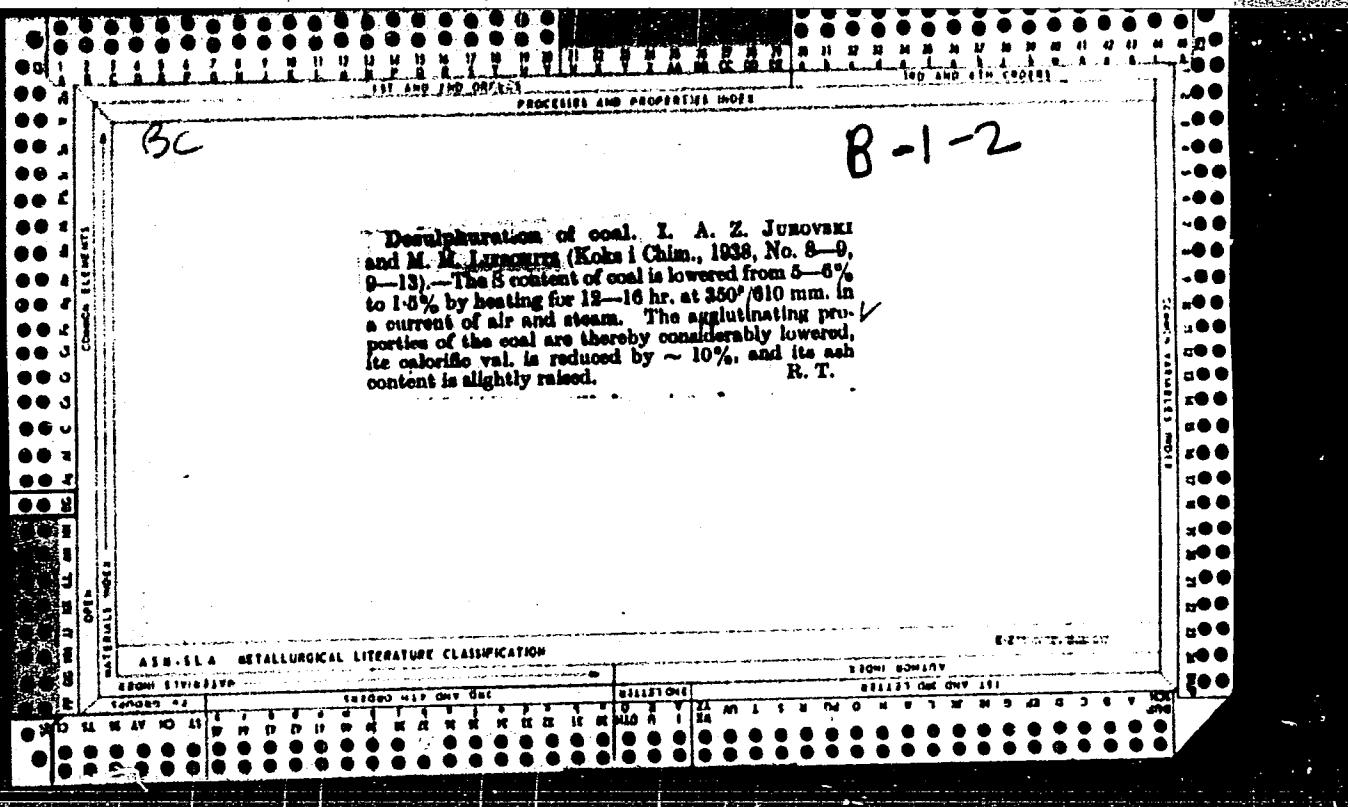
LIFSHITS, M.I.; GALKIN, B.Ye.

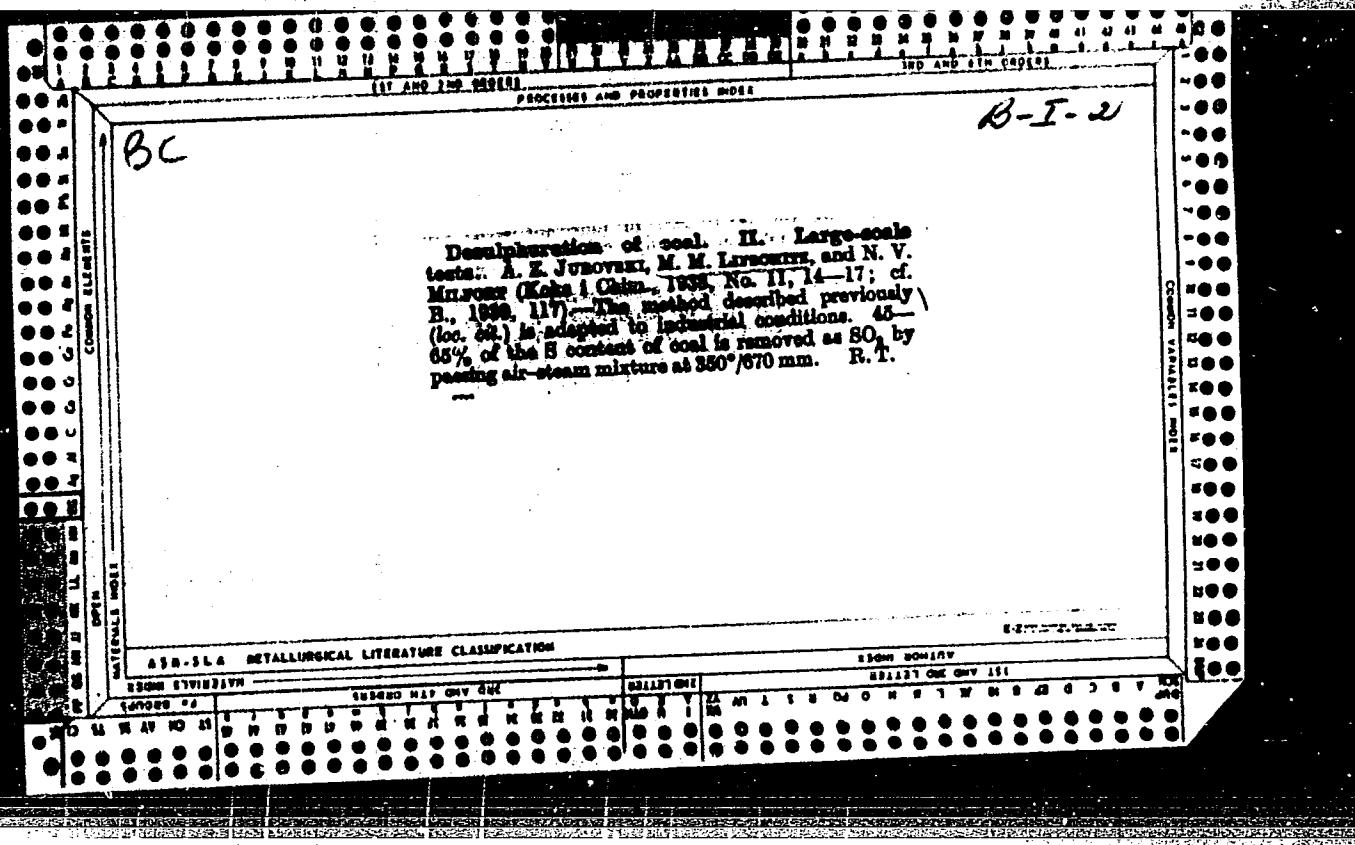
The C-1 automatic photoelectric pyrometer. Biul.tekh.-ekon.
inform. no.1:9-10 '59. (MIRA 12:2)
(Photoelectric measurements) (Pyrometers)

LIFSHITS, M.M.

Classification of Ukrainian lignites. Sbor. DonUGI no.25:
23-36 '62. (MIRA 16:6)

(Ukraine—Lignite—Classification)





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LIFSHITS, M. M. CONCERN AND PROPERTY OWNER

21

Desulfurization of coals. A. Z. Yurovskii, M. M. Litshits, A. A. Chemeris and A. L. Rubinbakh. *Coke and Chem.* (U. S. S. R.) 9, No. 4-5, 17-21 (1939); *Chimie & industrie* 42, 807; cf. C. A. 33, 8059. — Desulfurization by oxidation of sulfurous compounds, by means of a mixt. of O₂ (air) and steam is not suitable for coking coals because it produces a decrease in its agglutinating power. Semicoke can be easily desulfurized in this way. Coke can be freed from sulfide S by this method. It is advantageous to us water instead of steam. A. Papineau-Couture

ASA ILLA METALLURGICAL LITERATURE CLASSIFICATION

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ca

21

Desulfurizing coke during quenching. A. Z. Yurovskii, M. M. Lishits, A. A. Chernova and N. V. Mil'fort, *Coke and Chem.* (U. S. S. R.) 9, No. 10-11, 16-18 (1959); *Chimia & industria* 43, 880 (1940); cf. *C. A.* 35, 6009. Desulfurization of coke by treatment with water and air during the quenching process must be started at relatively high temps., so as to be as rapid as possible at the lower temps., in order not to increase the oxidation of the coke. Quenching can be started at 800° with moist air and continued from 400° on with water. The S content can thus be reduced from 1.7-2.3% to 0.26-0.50% in 6-9 min., with an oxidation not exceeding 1-2% of the coke. A. Parmentier-Couture

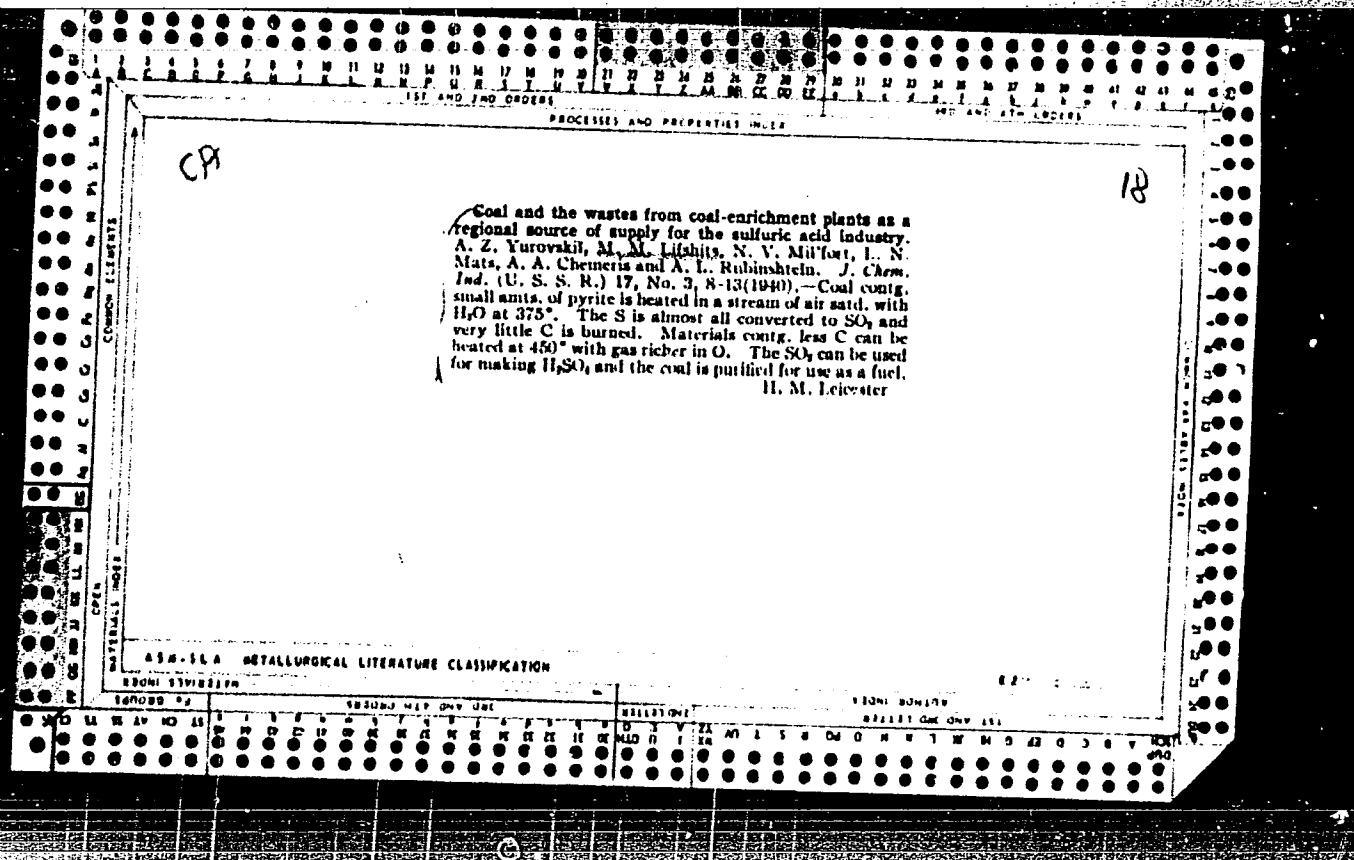
A Paninian-Couture

ASS-SEA METALLURGICAL LITERATURE CLASSIFICATION

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LIFSHIS, R. R., VASIL'YEV, N. N., BULAVIN, G. P., OVKOVSKIY, A. G., YUROVSKIY, A. Z.,
and KOPELEVICH, I. A.

"The low-Temperature Combustion in the VKhZ oven of H_2SO_4 Raw Materials which
Contain C," J. Chem. Ind. (USSR) 13, No. 1, 3-10, 1941.
Chem. Zentr. 1943, I, 195.

Steam acts on coal residues contg. 15-29% S or on pyrites contg. 39-42% S
at 550-650° as an oxidizer and a temp. regulator. The resulting gas is a mixt.
of SO_2 and O fit for prep. H_2SO_4 . Methods for removing tech. difficulties
are discussed.

5345. ACCELERATED METHOD FOR DETERMINATION OF COMBUSTIBLE SULPHUR IN COAL, ANTHRACITE, AND COKE. Lifshits, M. M. and Minenko, O. A. [Zavodskaya Lab. (Factory Lab.), Aug. 1949, vol. 15, 1000-1002; abstr. in Chem. Abstr., 1950, vol. 44, 818]. The sample, burned slowly in a long (500 m.m.) combustion tube in oxygen at 850° with absorption of exit gas in very dilute NaOH-H₂O₂, titrating the resulting H₂SO₄ by 0.01 N NaOH with methyl red, followed by 5 minutes boiling, addition of slight excess of standard acid, and back-titration with NaOH to methyl red, provides the needed correction for SO₃ formation; no appreciable amounts of CO₂ are retained and results within 0.3% are readily obtained.

C.A.

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CD

21

Simplified ash determination in coal. M. M. Lifshits
(Donets Coal Inst.). Zavodskaya Lab. 16, 203-6 (1930).
2-10 g. sample particulated to 1 mm. size weighed to

about 0.01 g. is used and the sample is coked on a 50 X 60 mm. tray in a thin layer in preheated muffle at 850-900°. Wet samples are dried at 105°. The rapid method is satisfactory for control methods at the mine. G. M. K.

DVUZHIL'NAYA, N.M.; IVANOVA, N.V.; LIFSHITS, M.M.; MINENKO, O.A.; ZIKHEYEV,
T.A., redaktor; ALADOVA, Y.I., tekhnicheskiy redaktor

[Accelerated method of analyzing coal] Uskorennye metody analiza
uglia. Moskva, Ugletekhizdat, 1954. 58 p. (MLRA 8:7)
(Coal--Analysis)

LEVENSHTEYN, M.L., insh.; LIFSHITS, M.M.

Regularities of changes in the properties of coals of the Lower
Carboniferous in the Donets Basin (Petropavlovka-Kal'mius
area). Sbor.DonUGI no.18:3-52 '59. (MIRA 13:1)
(Donets Basin--Coal geology)

ROZHNOVA, Ye.Ye., inzh.; LIFSHITS, M.M.; VYRVICH, G.P.; IL'YUSHENKO, R.G.

Coals of the Lvov-Volyn Basin. Sbor.DonUGI no.18:53-106
'59. (MIRA 13:1)
(Lvov-Volyn Basin--Coal)

LIFSHITS, M. M.

Quantitative characteristics in the petrographic investigation
of coals. Sbor. DonUGI no.18:187-210 '59. (MIRA 13:1)
(Coal geology)

EYDEL'MAN, Ye.Ya.; LIFSHITS, M.M.

On the just-published translation of the book "Coal science" by
D.A.Van Krevelen and J.Schuyer. Reviewed by E.IA.Eidel'man, M.M.
Lifshits. Koks i khim. no.2:62-64 '61. (MIA 14:2)

1. Donetskiy politekhnicheskiy institut (for Eydel'man). 2. Donetskiy
nauchno-issledovatel'skiy ugol'nyy institut (for Lifshits).
(Coal) (Krevelen, D.A.) (Schuyer, J.)

PONOMAREVA, M.N., kand. geol.-mineralog. nauk; LIFSHITS, M.M.;
VYRVICH, G.P., inzh.

Reflective capacity of Donets Basin coals. Sbor. DonEGI
no.25:52-95 '62.
(MIRA 16:6)

(Donets Basin—Coal—Optical properties)

BERDYUKOVA, M.D.; INDOVA, K.I.; ISHCHEKO, A.M.[deceased];
KOLOMEYTSEVA, A.K.; LIFSHITS, M.M.; PAZUKHINA, D.K.;
SHARAYEVA, L.N.; SHIROKOV, A.Z.; VAL'TS, I.E., red.;
STRUYEV, M.I., red.; NIKOLAYEVA, I.N., red.

[Atlas of the Lower Carboniferous coals of the Donets Basin]
Atlas uglei nizhnego karbona Donetskogo basseina. [By] M.D.
Berdiukova i dr. Moskva, Nauka, 1964. 101 p.
(MIRA 18:4)

LIFSHITS, Mikhail Naftol'yevich; MOISEYEV, Viktor Mikhaylovich;
SADOVSKIY, F.T., red.

[Electrical effects in aerosols and their applications]
Elektricheskie iavleniya v aerozoliakh i ikh primenenie.
Moskva, Energija, 1965. 223 p. (MIR 1263)

LIFSHITS, M. S.; SIL'CHENKO, V. S.

Late recurrence of tularemia. Klin. med., Moskva 29 no.7:69-71
July 1951.
(CML 20:11)

1. Prof. Lifshits. 2. Of the Department of Infectious
Diseases, Voronezh Medical Institute (Head -- Prof. M.
S. Lifshits).

LIFSHITS, M. S.

USSR/Medicine - Typhoid

FD-539

Card 1/1 Pub. 148-2/23

Author : Lifshits, M.S. and Galushkin, I.P.

Title : Treating typhoid with synthomycin

Periodical : Zhur. mikrobiol. epid. i immun., 6, 7-8, Jun 54

Abstract : Fifty persons suffering from typhoid fever were treated with synthomycin. The initiation of treatment was marked by a drop in temperature, lowered arterial pressure, and relief of the usual typhoid symptoms. Side reactions, i.e. leukopenia, psychosis, exanthema, ulceration of the mucous membranes of the mouth, occurred in several instances. Synthomycin therapy was sometimes followed by relapses, and did not prevent the patients from acting as carriers. The authors conclude that synthomycin is an effective preparation for treating typhoid, and recommend a dosage of 3 grams daily as sufficient to terminate the disease process. The results of the investigations are presented on a chart.. No references are cited.

Institution : Clinic of Infectious Diseases, Voronezh Medical Institute

Submitted : 15 July 1953

LIFSHITS, N., inzh.

Standardized central heating system with a few metal parts. Zhil.
stroi. no.8:30-32 Ag '61. (MIRA 14:8)
(Hot-water heating)

LIFSHITS, N. A.: Master Med Sci (diss) -- "The effect of antibacterial preparations on the course and complications of pulmonary tuberculosis". Leningrad, 1958. 18 pp (First Leningrad Med Inst im Acad I. P. Pavlov), 200 copies (KL, No 6, 1959, 144)

LIFSHITS, N.A.,

Effect of antibacterial preparations on the course and complications
of pulmonary tuberculosis. Sov.med. 22 no.8:114-119 Ag '58
(MIRA 11:10)

1. Iz kafedry tuberkuleza (zav. prof. A.Ya. TSigel'nik)
I Leningradskogo meditsinskogo instituta imeni akad. I.P. Pavlova.
(TUBERCULOSIS, PULMONARY, ther.
chemother., results (Rus))

LIFSHITS, N.A.

Amyloidosis of the internal organs in pulmonary tuberculosis., Vrach.
delo no.12:131 D '60. (MIRA 14:1)

1. Kafedra tuberkuleza (zav. - prof. A.Ya. TSigel'nik) I Leningrad-
skogo meditsinskogo instituta.
(AMYLOIDOSIS) (TUBERCULOSIS)

LIFSHITS, N.I.

Experience of the Scientific Publishing House of Map Compiling in
reducing the number of color runs in map printing. Sbor.st.po kart.
no.6:71-76 '54. (MLRA 10:9)

(Map printing)

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LIFSHITS, N.I., inzh.; LEVIN, Ye.T.

Storage rooms with gravity racks. Mekh. i avtom. proizv. 18
no.12;24-28 D '64. (MIRA 18:3)

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AKULOV, L.S.; ACHIL'DIYEV, U.I.; VOLOSOV, G.D.; GORDON, L.I.; GRIN, G.V.;
GROMOV, M.A.; KIRILLOV, A.Ya.; LIFSHITS, N.I.; MITROPOL'SKIY, A.V.;
RAYSKIY, I.D.; SMIENOV, V.B.; PAYVUSOVICH, A.Kh.; FEDOROVA, I.Yu.;
TSYPIN, I.M.; CHEKHOVICH, D.I.; ISHKHOVA, A.K., red.; SUDAK, D.M.,
tekhn.red.

[Handbook on equipment for commercial enterprises and public food
service] Spravochnik po oborudovaniyu dlia predpriatii torgovli
i obshchestvennogo pitanija. Moskva, Gos.izd-vo torg.lit-ry,
1959. 322 p. (MIRA 12:12)

1. Inzhenerno-tehnicheskiye rabotniki Upravleniya torgovogo
oborudovaniya i Tsentral'nogo konstruktorskogo byuro torgovogo
mashinostroyeniya (for all except Ishkova, Sudak).
(Business enterprises--Equipment and supplies)
(Restaurants, lunchrooms, etc.--Equipment and supplies)

AKULOV, L.S.; ACHIL'DIYEV, U.I.; VOLOSOV, G.D.; GORDON, L.I.; GRIN, G.V.;
GROMOV, M.A.; KIRILLOV, A.Ya.; LIPSHITS, N.I.; MITROPOL'SKIY, A.V.;
RAYSKIY, I.D.; SMIRNOV, V.B.; FAYVUSOVICH, A.Kh.; FEDOROVA, I.Yu.;
TSYPIN, I.M.; CHEKHOVICH, D.I.; ISHKOVA, A.I., red.; KISELEVA, A.A., tekhn.red.

[Handbook on equipment for commercial enterprises and public food service] Spravochnik po oborudovaniyu dlja predpriatii torgovli i obshchestvennogo pitanija. Izd.2., dop. Moskva, Gos. izd-vo torg. lit-ry, 1960. 333 p. (MIRA 14:10)

(Restaurants, lunchrooms, etc.--Equipment and supplies)

LIFSHITS, N.A. (Leningrad)

Course of cheesy pneumonia in tuberculosis patients treated with
antibacterial drugs. Kaz.med.zhur. no.5:109 S-0 '60. (MIRA 13:11)
(TUBERCULOSIS)
(PNEUMONIA)

LIFSHITS, N.I., inzh.; FAYVUSOVICH, A.Kh.

Mechanization and automation of loading and unloading in warehouses. Mekh.i avtom.proizv. 17 no.1:35-39 Ja '63.

(MIRA 16:2)

(Automation) (Loading and unloading)

LIFSHITS, N.L.

Occupational drug diseases in medical workers. Trudy 1-go MMI 28:
87-91 '64. (MIRA 17:11)

1. Kafedra obshchey terapii i professional'nykh zabolеваний
(zav. deystvitel'nyy chlen AMN SSSR prof. Ye.M. Tarayev) sa-
nitarno-gigiyenicheskogo fakul'teta 1-go Moskovskogo ordena
Lenina meditsinskogo instituta imeni Sechenova.

MOROZOV, N.A., kand.tekhn.nauk; ZALKIND, I.S., inzh. LIFSHITS, N.M.

For progressive technology in lumber sawing. Gor.khoz. Mosk. 32
no.12:26-30 D '58. (MIRA 11:12)

1. Nachal'nik lesnogo otdela Upravleniya material'no-tekhnicheskogo
snabzheniya Glavmosstroya (for Lifshits).
(Moscow--Sawmills)

LIFSHITS, N.M.

Reducing the over-all expense of loading and unloading operations in the harbors of the capital. Gor.khoz.Mosk.
34 no.4:22-23 Ap '60. (MIRA 13:8)

1. Nachal'nik otdela lesomaterialov i topliva Upravleniya material'no-tekhnicheskogo snabzheniya Glavmospromstroy-materialov.

(Lumber--Transportation)
(Moscow--Cargo handling)

LIFSHITS, N.M.

Use lumber economically; urgent problems of lumber mills and
woodworking industries before the Executive Committee of the
Moscow City Soviet of Workers' Deputies. Gor.khoz.Mosk. 36
no.6:35-37 Je '62. (MIRA 15:8)

1. Nachal'nik otdela lesomaterialov Upravleniya material'no-tekhni-
cheskogo snabzheniya. Glavnogo upravleniye promyshlennosti
stroitel'nykh materialov i stroitel'nykh detaley.
(Moscow—Lumber)

LIFSHITS, N.N.; FRANK, G.M., ötv. red.; TSUZMER, T.S., red. izd-va;
SUSHKOVA, L.A., tekhn. red.

[Influence of ionizing radiation on central nervous system
function] Vliyanie ioniziruiushchikh izluchenii na funktsii
tsentral'noi nervnoi sistemy. Moskva, Izd-vo Akad. nauk SSSR,
1961. 179 p. (MIRA 14:10)

1. Chlen-korrespondent AN SSSR (for Frank).
(RADIATION--PHYSIOLOGICAL EFFECT) (NERVOUS SYSTEM)

SOMMERAU, Ye. F.; REYNBERG, G.A., prof., red.; LIFSHITS, O. D., red.;
LYUDKOVSKAYA, N.I., tekhn. red.

[German-Russian medical dictionary] Nemetsko-russkii meditsinskii
slovar'. Moskva, Gos. izd-vo med. lit-ry, 1958. 459 o. (MIRA 11:12)
(German language--Dictionaries--Russian)
(Medicine--Dictionaries)

LIFSHITS, O.L., inzhener.

Machine shops' urgent needs. Tekst.prom.15 no.3:40-41 Mr '55.
(Machine shops) (MIRA 8:4)

LIFSHITS, O. L.

Over-all mechanization in foundry practice. Tekst.prom.15
no.7:30-31 J1'55. (MLRA 8:10)

1. Nachal'nik tekhnicheskogo otdela Liteyno-mekhanicheskogo
zavoda Glavlenkhlopproma
(Foundry machinery and supplies)

KRYLOV, A.V.; LIFSHITS, O.L.

Suspended movable scales for weighing cupola-furnace charges.
Obm.tekh.opyt. [MLP] no.20:13-15 '56. (MIHA 12:11)
(Scales (Weighing instruments))

LIFSHITS, P.S.

Unusual case of osseous dysostosis (cleidocranial dysostosis).
Vest.rent. i rad. no.3:89-93 My-Je '55. (MLRA 8:10)

1. Iz rentgenovskogo kabinetata (zav. P.S.Lifshits) Budyanskoy
bol'nitsy Khar'kovskoy oblasti (glavnnyy vrach--zasluzhennyj
vrach USSR N.S.Meshcheryakov)
(CLEIDOCRANIAL DYSOSTOSIS,
unusual case)

LIFSHITS, P.S.; KUTSIN, V.I.

Gastrogenic tetany. Vses. rent. i rad. 40 no.471-22 31-42 165.
(MIRA 18:9)

1. Vyakoposelkovaya bol'nitsa Khar'kovskoy oblasti.

LIFSHITS, P.S.

Two cases of secondary deformation of the liver in relaxation of
the diaphragm. Vest. rent. i rad. 37 no.2:63-64 Mr-Ap '62.
(MIRA 15:4)

1. Iz Budyanskoy bol'nitsy (glavnnyy vrach - zasluzhennyy vrach
USSR N.S. Meshcheryakov) i Vysokoposelkovoy uchastkovoy bol'nitsy
(glavnnyy vrach E.M.Kryzhanovskaya) Khar'kovskogo rayona Khar'kovskoy
oblasti.

(DIAPHRAGM--DISEASES) (LIVER--ABNORMALITIES AND DEFORMITIES)

LIFSHITS, R.A., inzh.; SHEPTITSKIY, B.A., inzh.

Modernizing the SBK-1 tower crane by using a movable counterbalance. Stroi. i dor. mash. 6 no. 5:10-11 My '61.
(MIRA 14:6)
(Cranes, derricks, etc.)

LIFSHITS, R.A.

Research work in the Naro-Fominsk Silk Combine, Tekst. prom.
23 no.12:39-41 D '63. (MIRA 17:1)

1. Nachal'nik tekhnicheskogo otdela Naro-Fominskogo shelkovogo kombinata.

LIFSHITS, R.I. VASIL'YEVSKIY, V.M., professor, zaveduyushchiy.

Data on the cortical regulation of cardiac reaction to strophanthin and
adrenaline. Farm. i toks. 16 no.1:15-21 Ja-F '53. (MLRA 6:6)

1. Kafedra normal'noy fiziologii Chelyabinskogo meditsinskogo instituta.
(Adrenaline) (Strophanthin)

The author states that the formation of conditional reflex reactions of the heart and blood vessels to nitroglycerine, morphine hydrochloride, adrenalin, acetylcholine, and strophanthin was demonstrated in Bykov's lab. Says that he himself showed in 1950-51 that cortical regulation considerable modifies the action of adrenalin on the heart. Describes in detail expts. from which he concludes that development of cortical regulation counteracting the effect of strophanthin or adrenalin on the heart can be induced by means of conditional reflexes established by sound, mech irritation, feeding, etc.

LIFSHITS, R. I.:

LIFSHITS, R. I.: "Material on the cortical regulation of the excitability of the heart to humoral stimuli" sverdlovsk State Medical Inst. Sverdlovsk, 1955. (Dissertation for the Degree of Candidate in Medical Sciences)

So: Knizhnaya letopis' No. 3⁴, 1956 Moscow

LIFSHITS, R.I.

Studies of the cortical regulation of cardiac activity. Report No.1:
Some peculiarities of cardiac conditioned reflexes formed in response
to adrenaline injection. Trudy Vses. ob-va fiziol., biokhim. i farm.
3:25-34 '56
(MLRA 10:4)

1. Kafedra normal'noy fiziologii Chelyabinskogo meditsinskogo instituta;
zaveduyushchiy kafedroy professor V.M. Vasilevskiy. Chelyabinsk.
(CONDITIONED RESPONSE) (ADRENALINE) (HEART)

LIFSHITS, R.I.

USSR/Human and Animal Physiology - Blood Circulation.
The Heart.

T-6

Abs Jour : Ref Zhur - Biol., No 10, 1953, 46041

Author : Lifshits, R.I.

Inst : All-Union Society of Physiologists, Biochemists and
Pharmacologists.

Title : Studies of the Cortical Regulation of Cardiac Activity.
2nd Report. Changes of Heart Reactions to Adrenalin In-
jections under the Influence of Inhibitions within the
Cerebral Cortex.

Orig Pub : Tr. Vses. o-va fiziol., biokhim. i farmakologov, 1956,
3, 35-40.

Abstract : ECG [electrocardiograms] obtained from dogs showed that
adrenalin (I) injections (1 ml of a 1:2000 solution) given

Card 1/2

- 49 -

LIFSHITS, R.I.

Paradoxical activity of adrenaline in cancer patients and its
effect on the action of cholinesterase. Vop. med. khim. 7
no. 1:61-65 Ja-F '61. (MIRA 14:4)

1. Chairs of Biochemistry and Faculty Surgery of the Chelyabinsk
Medical Institute.

(ADRENALINE) (CARDIOVASCULAR SYSTEM) (CANCER)
(CHOLINESTERASE)

EBERT, L.Ya., doktor med.nauk (Chelyabinsk); LIFSHITS, R.I., kand.med.nauk
(Chelyabinsk)

Conference on the problems of nonspecific prevention and treatment
of infectious diseases (Chelyabinsk, June, 1961). Kaz. med. zhur. no.6:
84-85 N-D '61. (MIRA 15:2)
(COMMUNICABLE DISEASES--CONGRESSES)

LIFSHITS, R.I.

Effect of pyridine derivatives on the inclusion of 35 -labeled methionine in the blood proteins of rabbits after acute hemorrhage.
Vop. med. khim. 8 no.4:362-364 Jl-Ag '62.

(MIRA 17:11)

1. Kafedra blokhnii Chelyabinskogo meditsinskogo instituta.

LIFSHITS, R.M.; TOKAR⁸, Ye.G.; DOMITEYEVA, I.A.; ROGOVIN, Z.A.

Investigating the possibility of modifying the properties
of fabrics made from rayon staple fibers by means of poly-
acrylonitrile grafting. Izv. vys. ucheb. zav.; tekhn. tekst.
prom. no.4:95-98 '63. (MIRA 16:11)

1. Moskovskiy tekstil'nyy institut i TSentral'nyy nauchno-
issledovatel'skiy institut shersti.

1. BRONSHTEYN, R. M.; LIFSHITS', R. V.
2. USSR (600)
4. Influenza
7. Content of protein and of certain mineral substances in the blood in grippe,
Medich. zhur., 22, no. 1, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

OVRUTSKIY, G.D.; RIDZEL', P.Z.; LIFSHITS, S.A.

Relation of parodontosis to the intensity of sound stimulus.
Stomatologija 41 no.4:17-20 Jl-Ag '62. (MIRA 15:9)

1. Iz kafedry terapevticheskoy stomatologii (zav. - kand.med.nauk
G.D.Ovrutskiy) Kazanskogo meditsinskogo instituta.
(GUMS--DISEASES) (SOUND--PHYSIOLOGICAL EFFECT)

LIFSHITS, S.B., inzh.

Automation and mechanization of industrial management.
Mekh.i avtom.proizv. 16 no.10:17-41 0 '62. (MIRA 15:11)
(Office equipment and supplies)
(Automation)

LIFSHITS, S. G.

Aug 1947

USSR /Electronics
Conductivity
Petroleum Products

"Electro-conductivity of Petroleum and Petroleum
Emulsions," S. G. Lifshits, V. P. Teyoborovich,
Leningrad Institute of High Pressures, 4 pp

"Zarazicheskij Bulletin" No 8

Describes apparatus for determining the electro-con-
ductivity of petroleum emulsions by means of several
plates from microscopic studies of demulsification of
petroleum in an electric field. Several graphs show
the electric conductivity of various types of petro-
leum. States Frik and Morse's equation showing re-
lationship between electric conductivity of emulsions

and electric conductivity of the dispersed and con-
tinuous phases.

LIFSHITS, S.G.

Russian literature on oncology published during 1958. Vop.onk. 5
no.8:249-255 '59.
(NEOPLASMS bibliog.)

LIFSHITS, S.G.

Russian literature on oncology published during 1958. Vop.onk.
5 no.10:506-511 '59. (MIRA 13:12)
(BIBLIOGRAPHY--TUMORS)

LIFSHITS, S.G.

Soviet literature on cancer published during 1958 (continuation).
Vop.onk. 5 no.11:634-640 '59. (MIRA 14:7)
(BIBLIOGRAPHY--TUMORS)

LIFSHITS, S.G.

Russian literature on oncology published during 1958. Vop.onk.
6 no.2:121-126 contd F '60. (MIRA 14:2)
(BIBLIOGRAPHY—TUMORS)

LIFSHITS, S.G.

Russian literature on oncology for 1958. Vop. onk. 6 no.4:121-126
Ap '60. (MIRA 14:3)
(BIBLIOGRAPHY--TUMORS)

PA 31/4/T58

LIFSHITS, Sh. I., Docent

USSR/Medicine - Nicotinic Acid, Effects Sep/Oct 48
Medicine - Stomach Diseases

"Dynamics of Nicotinic Acid in Some Cases With
Diseases of the Internal Organs," Docent Sh. I.
Lifshits, Faculty Therapeutics Clinic, Kazan Med
Inst, 6 pp

"Terapev Arkhiv" Vol XX, No 5

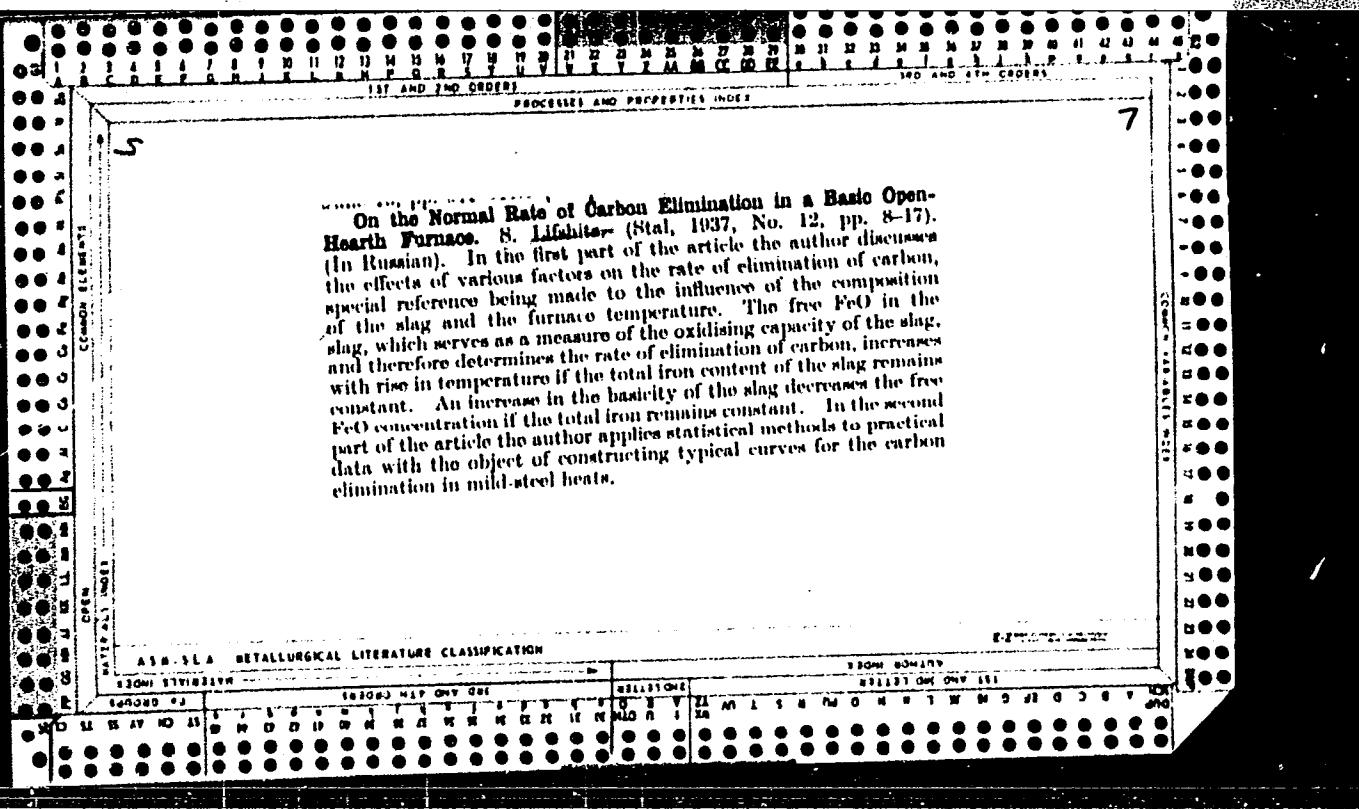
Endogenous PP-hypovitaminosis is observed in most
patients with gastric and duodenal ulcers. In
80% of cases, a parallel was observed between the
general condition and saturation of the organism
with nicotinic acid. As the general condition im-

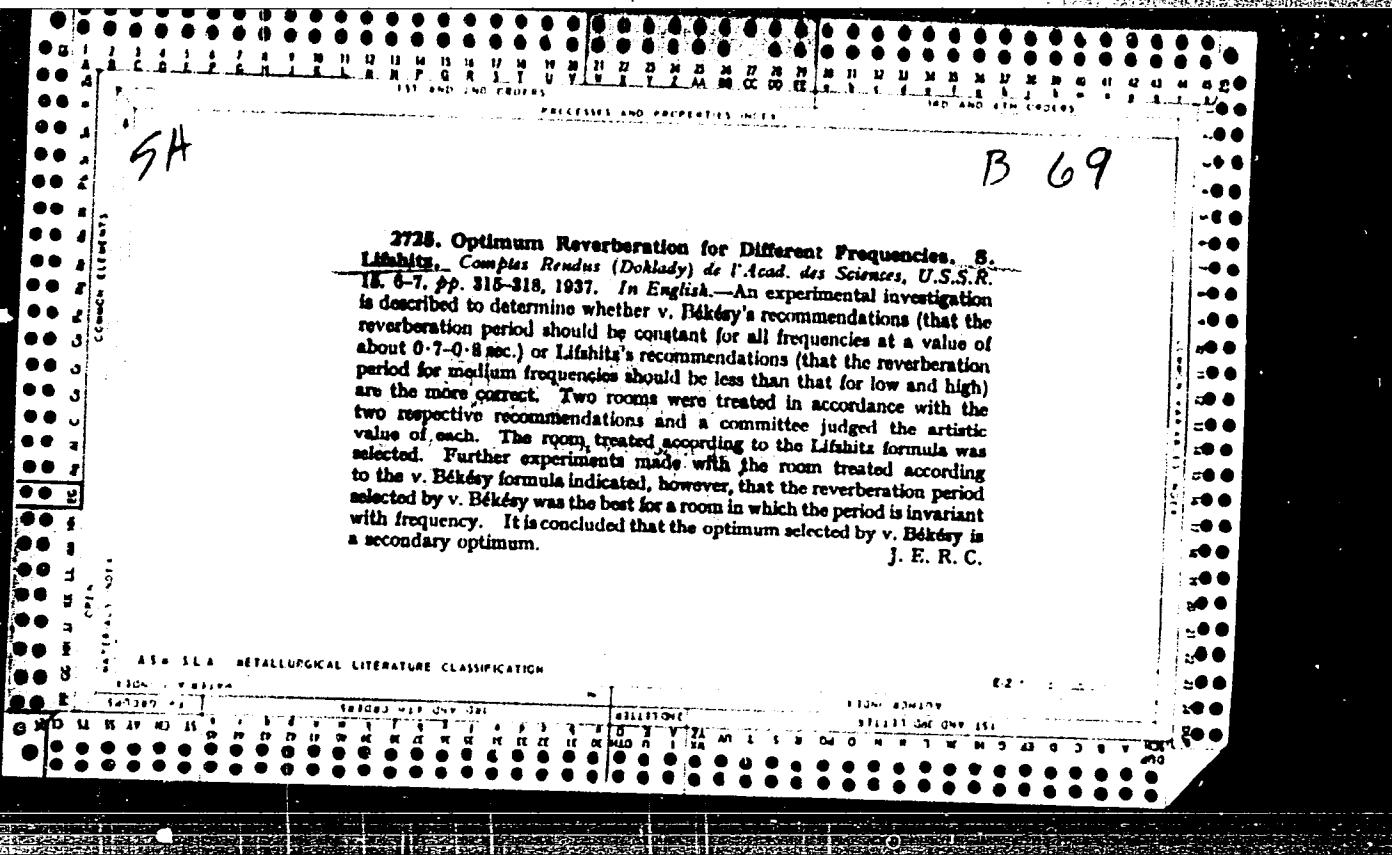
31/49T58

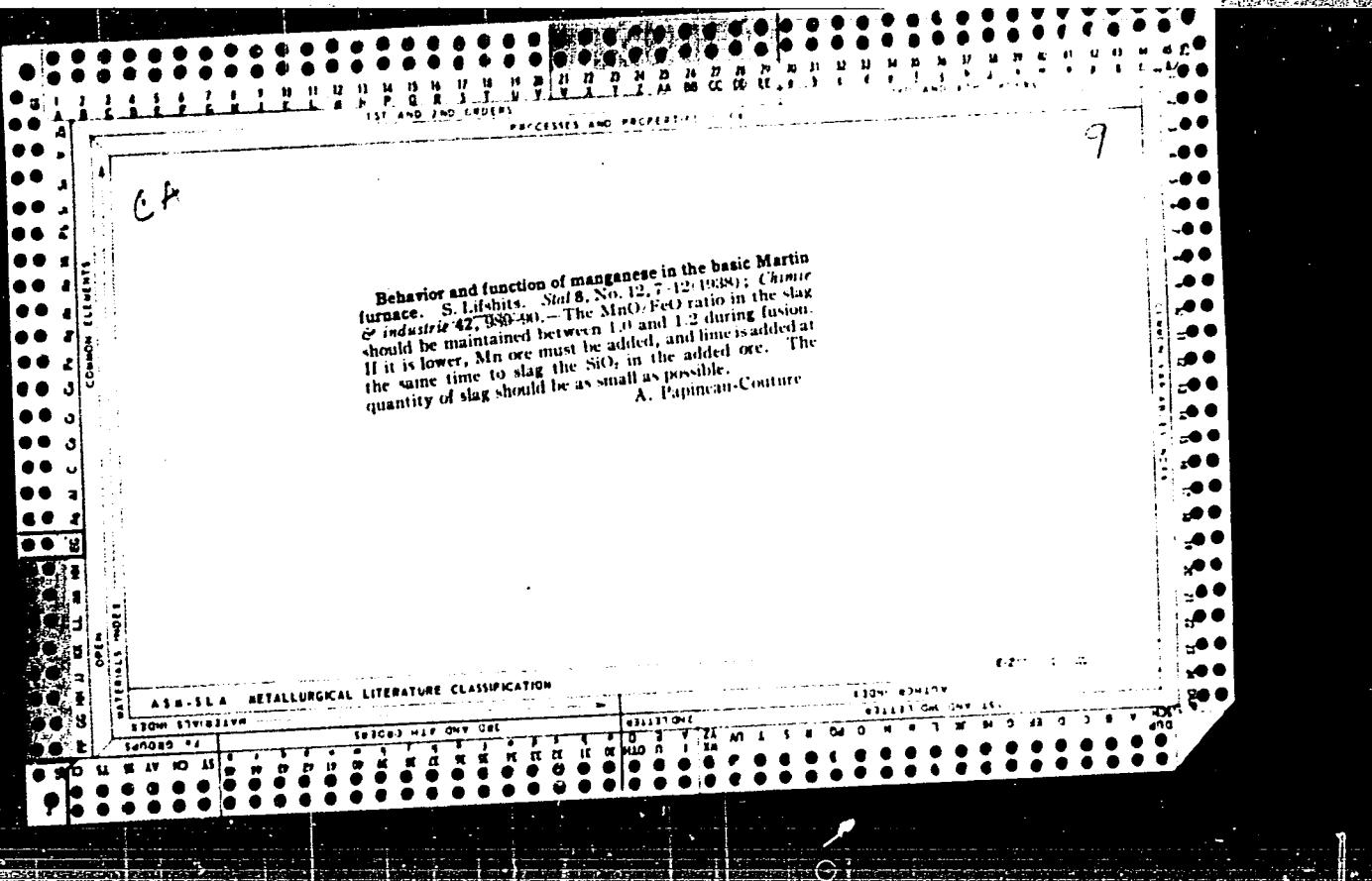
USSR/Medicine - Nicotinic Acid, Effects Sep/Oct 48
(Contd)

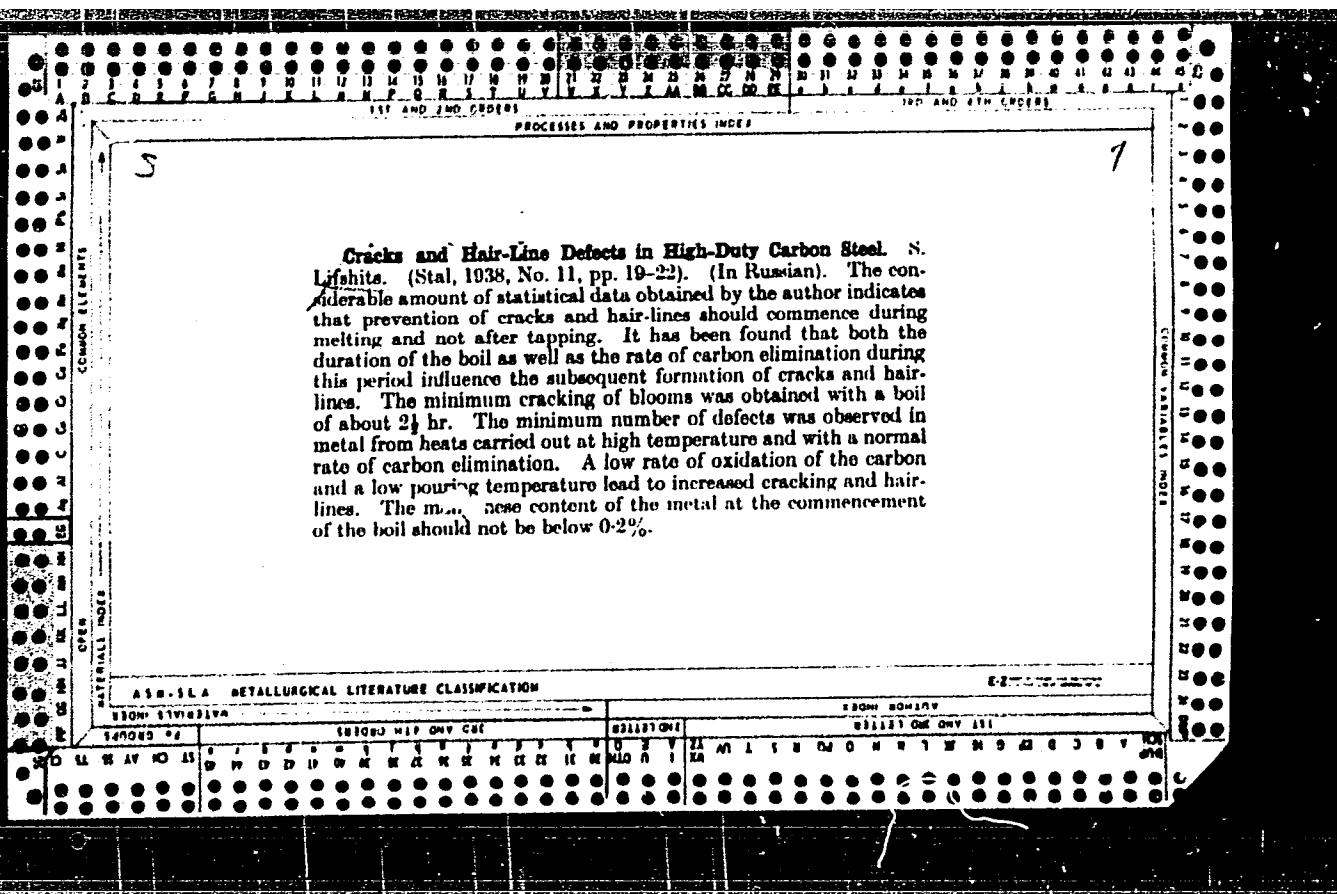
proved, the amount of nicotinic acid evolved
after exertion increased. Endogenous PP-hypo-
vitaminosis is observed in patients with hepato-
pathy due to acute and chronic hepatitis, and in
congested liver during decompensation. Concludes
that hepatic disorder is one cause of PP-hypo-
vitaminosis.

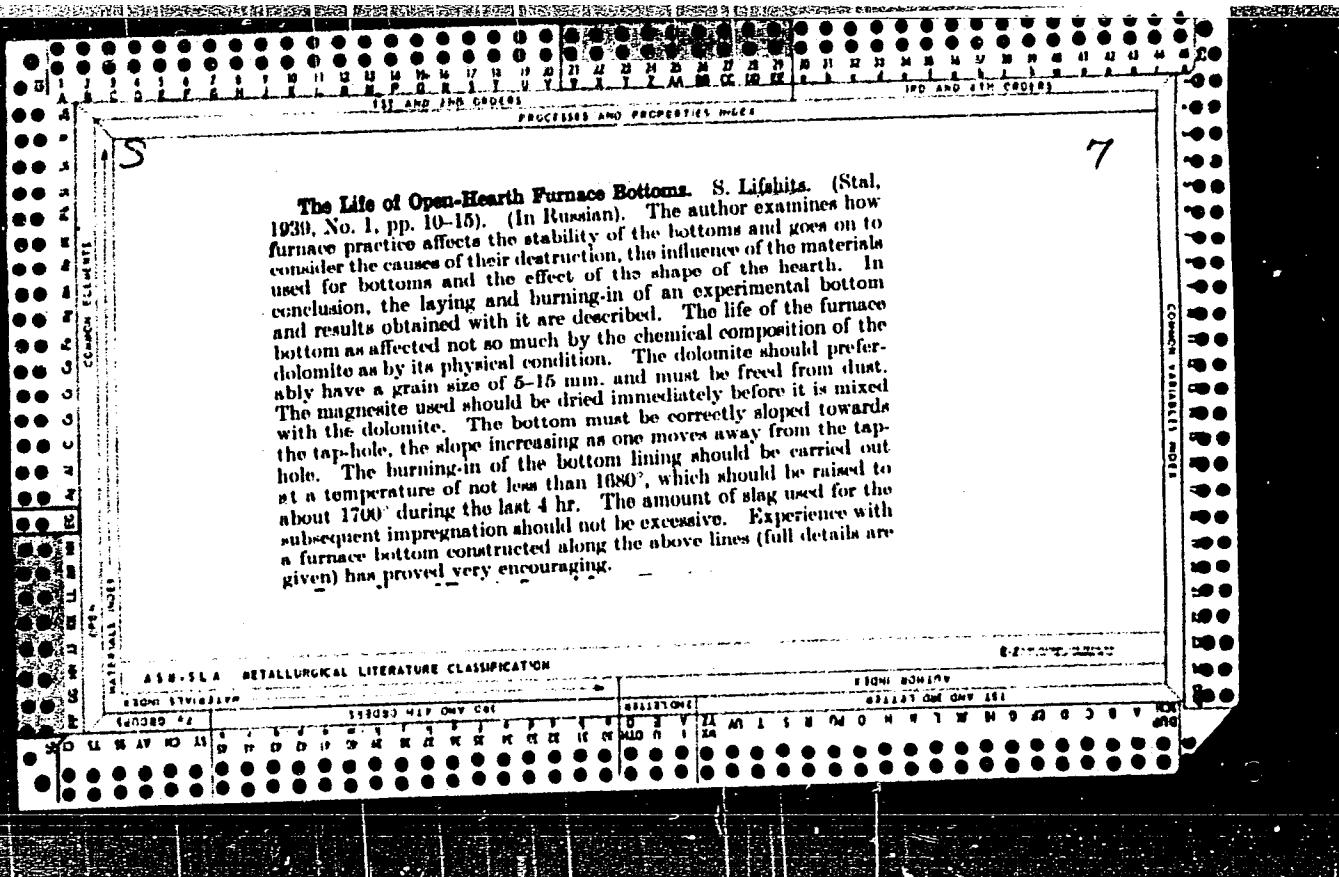
31/49T58

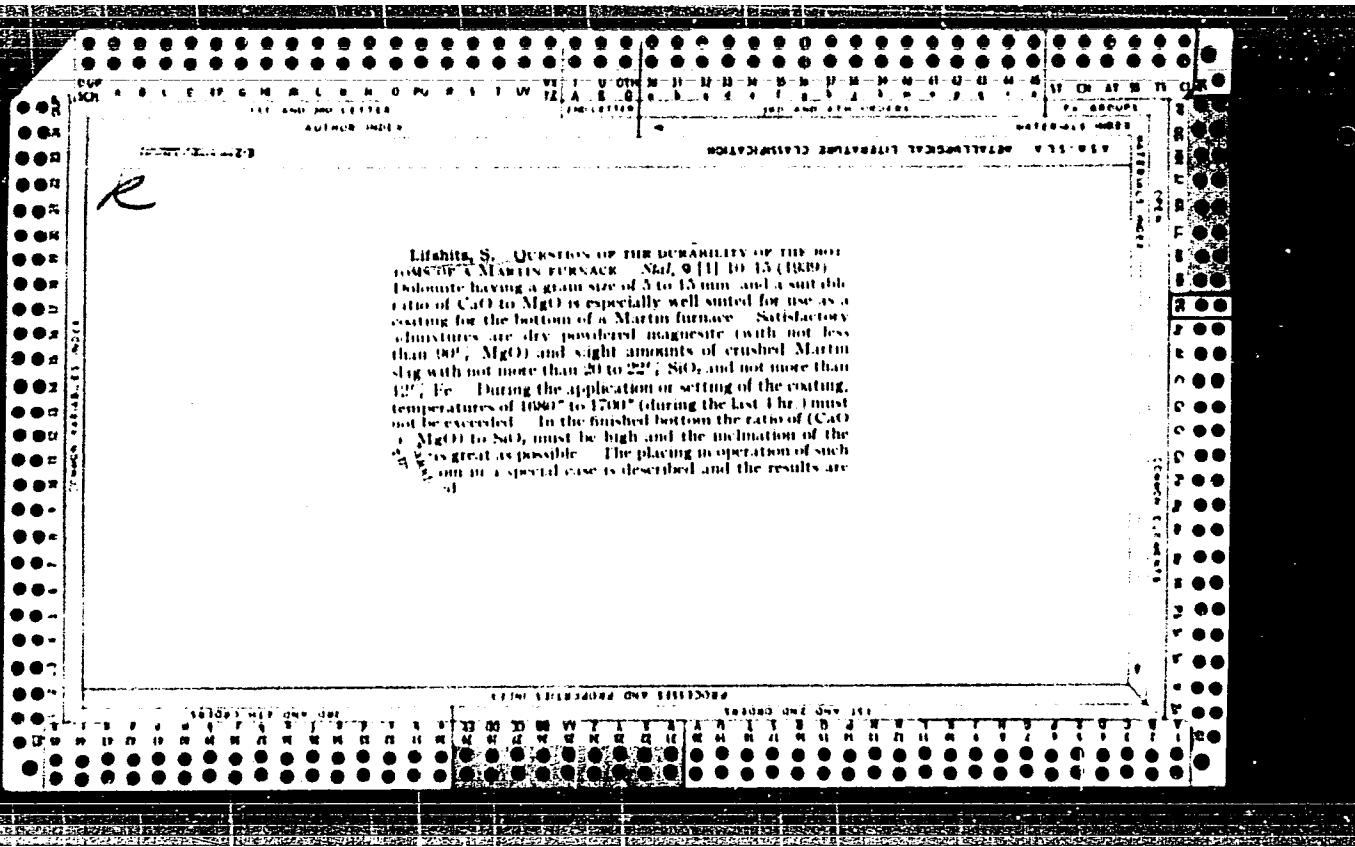


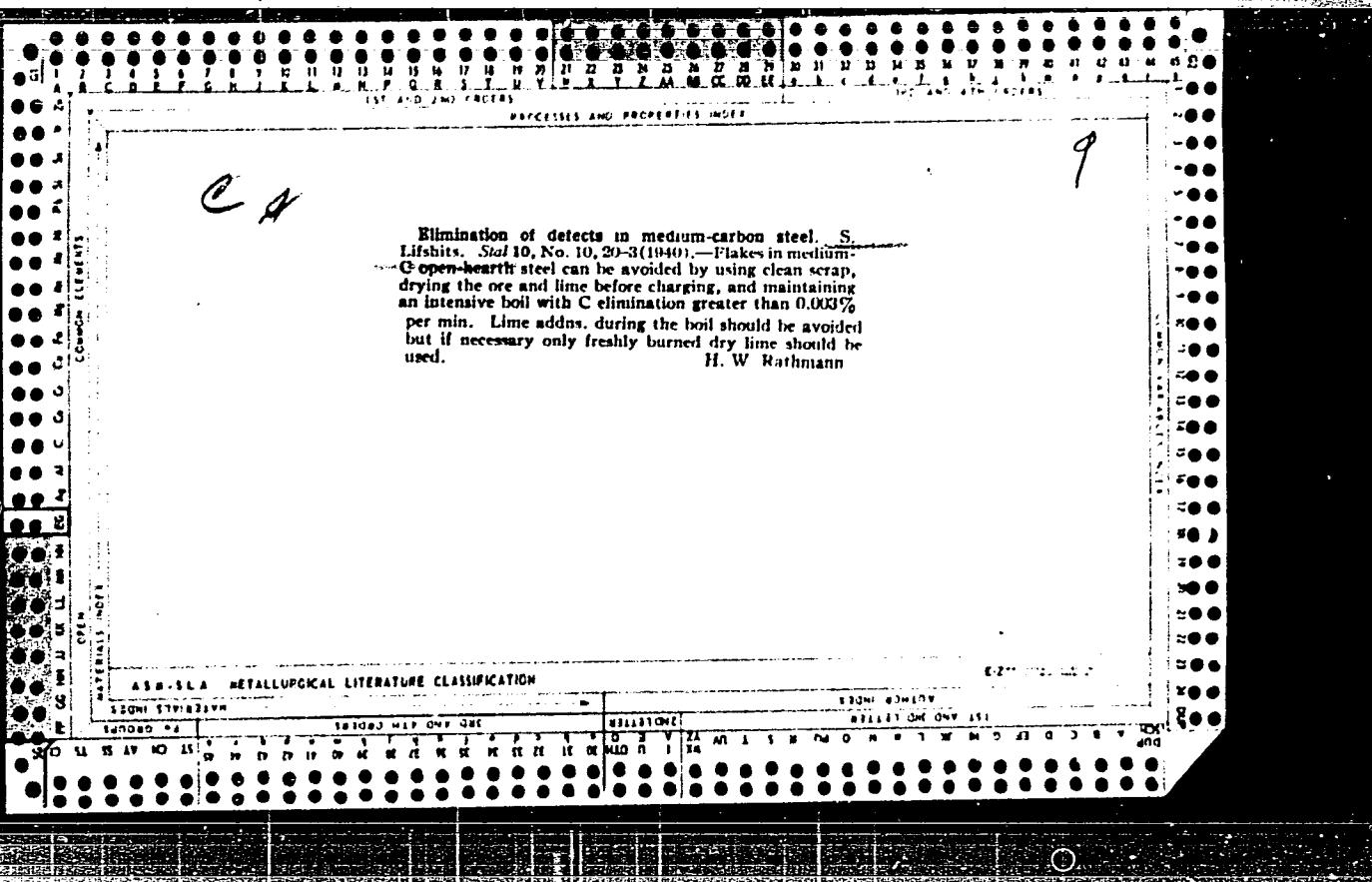












LIFSHITS, S.I.; LIBERMAN, S.S., redaktor; AGALETSKIY, F.N., otvetstvennyy
redaktor; ANDREYEV, S.P., tekhnicheskiy redaktor

[The open-hearth process of steel production] Martenovskoe proizvod-
stvo stali. Khar'kov, Gos. nauchno-tekhn. izd-vo lit-ry po chernoi i
tsvetnoi metallurgii, 1953. 210 p.
(Open-hearth process)

LIFSHITS, S.I., kandidat tekhnicheskikh nauk.

Bottom casting of dead-melted steel. Stal' 15 no.1:32-37 Ja '55.
(MIRA 8:5)

1. Metallurgicheskiy zavod im.Petrovskogo.
(Steel--Metallurgy)

AUTHOR: Lifshits, S.I., Candidate of Technical Sciences and
Sochan, I.F., Engineer. 133-5-4/z⁷

TITLE: From experience in the application of oxygen in 250 ton
open hearth furnaces. (Opyt primeneniya kisloroda v 250-t
martenovskikh pechakh).

PERIODICAL: "Stal'" (Steel), 1957, No. 5, pp. 402-405 (U.S.S.R.)

ABSTRACT: Operating practice used on two 250 ton open hearth furnaces
with chrome-magnesite roofs is outlined: hot metal - 50-55%;
fuel - a mixture of coke oven, blast furnace and producer gas
of calorific value 2 240 - 2 470 kcal/m³ (depending on the
period of operation); maximum thermal load 29.7 mil kcal/hr;
oxygen to flame is supplied through two 25-mm water-cooled
tuyeres; oxygen consumption 8.6 to 26.5 m³/ton (mean 16.6 m³/t);
the combustion air is enriched to 25% of oxygen; for smelting
medium carbon steels (Ct.5; 35; 45; Δ - tube steel) 4 - 6% of
iron ore and 7-9% of limestone depending on the composition of
the hot metal and for mild steels (Ct.2; Ct.3; 10 - tube steel; Ct.4;
20; 20 - tube steel) 7-8% of iron ore and 7.5-8.5% of limestone.
An analysis of the results of 6 months operation (Table 1) with
oxygen in flame indicated that: a) the duration of the heat
decreases by 11.4-12.0% mainly due to shortening of the melting
Card 1/3 period; b) the manganese content after melting and before

From experience in the application of oxygen in 250 ton open hearth furnaces. (Cont.)

133-5-4/27

deoxidation decreases little; c) the FeO content of slag after melting increases and practically does not change before deoxidation; d) the velocity of carbon removal during boiling and refining increases; e) the consumption of ore and limestone decreases; and f) the metal temperature after melting increases (Fig. 1). On the proposal of I.I. Korbov an intensification of the smelting process by oxygen supplied to the bath through Laval nozzles was tested. The following participated in the test: Bogusalvskiy, Z.M., Legostayev, I.P., Kasatkin, P.V. (Engineers) and Pisarevskiy, M.M. (Technician). Two 25 mm tuyeres with Laval nozzles from heat resistant steel (outlet 27 mm) at an angle of 15-18° to horizontal from both sides of the casing (Fig. 2) were used. In the experimental heats oxygen was introduced into the bath immediately after charging the hot metal and the supply was continued during a part or the whole melting period. A comparison of operating indices for heats with various supplies of oxygen during the melting period are given in Table 2, and a comparison of operating indices for heats with and without oxygen supply during the boiling period in Table 3. It is concluded that with supplying oxygen to the bath through Laval nozzles after charging hot metal, an

Card 2/3

From experience in the application of oxygen in 250 ton open
hearth furnaces. (Cont.)

133-5-4/27

intensification of the process is obtained without any apprecia-
ble increase in iron losses and with a lower consumption of oxy-
gen than when it is supplied to the flame. Under the investi-
gating conditions the supply of oxygen either to the flame or to
the bath during the period of boiling was found to be ineffective.
There are 3 tables and 2 figures.

ASSOCIATION: Petrovskiy Works (Zavod Petrovskogo)

AVAILABLE:

Card 3/3

Zvezda

AFANAS'YEV, S.G.; SHUMOV, M.M.; EPSHTEYN, Z.D.; BENDA, N.I.; KOROBOV, I.I.;
KOSTENSKIY, O.N.; LIFSHITS, S.I., RUBINSKIY, P.S.; FILIPOV, S.N.;
AGDINOV, T.V.

Besedovir steel smelting with oxygen blast from the top. Stal' 17
no. 3: 622-700 A; '57.
(MLRA 10:9)

i. Tsentral'nye nauchno-issledovatel'skiy institut chernoy metallurgii
i zavod im. Petrovskogo.
(Kammer process) (Oxygen--Industrial applications)

LIFSHITS, S.I.

VARNAVSKIY, I.N.; MIKHAYLIKOV, S.V., kand. tekhn. nauk, starshiy nauchnyy sotrudnik; BAPTIZMANSKIY, V.I., kand. tekhn. nauk, dots.; LEVIN, S.L., prof., doktor tekhn. nauk.; OYKS, G.N., prof., doktor tekhn. nauk; GERBER, M.S.; BIGEYEV, A.M., kand. tekhn. nauk. dots.; LIFSHITS, S.I., kand. tekhn. nauk; POLYAKOV, A.Yu., kand. tekhn. nauk, starshiy nauchnyy sotrudnik; FOFANOV, A.A., kand. tekhn. nauk, starshiy nauchnyy sotrudnik; OGRYZKIN, Ye.M.; GONCHARENKO, N.I., kand. tekhn. nauk; ABRAMOV, B.A., nauchnyy sotrudnik; MALINOVSKIY, V.G.; LAPOTYSHKIN, N.M., kand. tekhn. nauk; AFANAS'YEV, S.G., kand. tekhn. nauk; SHUMOV, M.M., starshiy nauchnyy sotrudnik; IVANOV, Ye.V.; EPSHTEYN, Z.D., starshiy nauchnyy sotrudnik.

Discussions. Biul. TSNIICHM no.18/19:107-119 '57. (MIRA 11:4)

1. Nachal'nik konvert'nogo tsekha Orsko-Khalilovskogo kombinata (for Varnavskiy). 2. Institut metallurgii Ural'skogo filiala AN SSSR (for Mikhaylikov, Abramov). 3. Direktor Ukrainskogo instituta metallov (for Goncharenko). 4. Dnepropetrovskiy metallurgicheskiy institut (for Baptizmanskiy, Levin). 5. Zaveduyushchiy kafedroy metallurgii stali Moskovskogo instituta stali (for Oyks). 6. Zaveduyushchiy laboratoriye Yenakiyevskogo metallurgicheskogo tekhnikuma (for Gerber). 7. Kafedra metallurgii stali Magnitogorskogo gorno-metallurgicheskogo instituta (for Bigeyev). 8. Rukoboditel' konverternoy gruppy TSentral'noy zavodskoy laboratorii zavoda im. Petrovskogo (for Lifshits). 9. Institut metallurgii im. Baykova AN SSSR (for Polyakov).

(Continued on next card)

VARNAVSKIY, I.N.---(continued) Card 2.

10. Ural'skiy institut metallov (for Tofanov).
11. Institut chernoy metallurgii AN USSR (for Ogryzkin).
12. Nachal'nik TSentral'noy zavodskoy laboratorii Yenakiyevskogo metallurgicheskogo zavoda (for Malinovskiy).
13. TSentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii (for Iapotyshkin, Shumov, Epshteyn).
14. Nachal'nik konverternoy laboratorii TSentral'nogo nauchno-issledovatel'skogo instituta chernoy metallurgii (for Afanas'yev).
15. Nachal'nik laboratorii Vsesoyuznogo nauchno-issledovatel'skogo instituta ogneuporov (for Ivanov).

(Bessemer process)

130-58-5-7/16

AUTHORS: Lifshits, S.I., Candidate of Technical Sciences
and Afanas'yev, S.G., Candidate of Technical Sciences.

TITLE: The Technology of Top-blown Pig Iron with Oxygen in
Basic Converters (Tekhnologiya proizvodstva chuguna kislorodom
sverkh v osnovnykh konverterakh)

PERIODICAL: Metallurg, 1958, Nr 5, pp 12 - 16 (USSR).

ABSTRACT: In order to obtain steel of open-hearth quality in converters, the converter shop (Figure 1) at the imeni Petrovsky Works was changed over to top-blowing with oxygen in basic-lined 20 m³ converters (Figure 2). The authors outline materials handling, gas cleaning (scrubber, venturi and cyclone), tapping (into ladles on ladle-carriers and then into ingot-moulds on bogies), the lance (42-mm diameter copper cylindrical jet, water cooled lance) and refractories. Refractory life is given as 160-180 and work to improve this is proceeding. The hot metal composition was found to have a great influence on the process and steel quality (Figure 3); the normal composition is 0.5 - 0.8% Si, 1.0 - 1.8% Mn, 0.07 - 0.09% P and 0.05 - 0.03% S. Additions of coke, lime and bauxite are made (800-1200, 1000-1100 and 100-150 kg, respectively) before starting the blowing of the 25-26 ton charge of hot metal. Technically pure oxygen at 10-12 atm

Card1/3

130-58-5-7/16

The Technology of Top-blown Pig Iron with Oxygen in Basic Converters

(gauge) and 65-80 m³/min is blown for 13-15 min, the whole cycle taking about 30 min. The first slag CaO:SiO₂ = 1.5-1.8 is run off after 3-5 min and 300-800 kg of lime, 300-800 kg of ore and 150 kg of bauxite are added. The authors briefly discuss the merits of ore as a cooling addition and give data on changes in metal and slag compositions and metal temperature during the process (3-15 min from the start of the blow (Table 2, Figure 4) and in gas composition (Table 3). After discussing various kinetic aspects of the process, the authors list the following main conclusions from the experience described: in the first 3 min, 0.17% C is burnt per min, the rate rising later and the amount of oxygen required to remove 0.1% C varying within wide limits; most of the phosphorus is removed in the first three minutes of the blow; manganese reduction begins at the start of the second period (after changing slags) and the element is re-oxidised with low-carbon steels at the end; silicon is oxidised in the first minutes; the sulphur-content is reduced by 26.3% from the initial value, the nitrogen content falls during the blow, the normal slag (CaO:SiO₂ = 2.5-3.1, 16-22% SiO₂, 43-50% CaO, 6-11% FeO and 8-14% MnO) is formed in the last 3-5 min; oxidation of

Card 2/3

130-58-5-7/16
The Technology of Top-blowing Pig Iron with Oxygen in Basic
Converters

iron occurs when the carbon content of the metal falls towards the end of the blow; magnesia from the lining appears in the slag. The 1957 productivity of the shop with the use of oxygen was 101.5% of the 1956 value; the mean daily production of the shop in February, 1958, was 110 tons greater than with air blowing.

There are 4 figures and 3 tables.

ASSOCIATION: Zavod im. Petrovskogo (Plant imeni Petrovskiy)
and TsNIIChM

Card 3/3

Sov/133/58-9-5/29

AUTHOR: Lifshits, S. I. (Cand.Tech.Science)

TITLE: Desulphurization of Basic Converter Steel During Top Blowing with Oxygen (Obesserivaniye osnovnoy konverternoy stali pri prodvke kislorodom sverkhu)

PERIODICAL: Stal', 1958, Nr 9, pp 788-793 (USSR)

ABSTRACT: The operational practice used at the Petrovskiy Works for the production of steel in top oxygen blown basic converters is outlined with special reference to the degree of desulphurization obtained during the process. The dependence of sulphur content of steel on its content in pig iron - Table 1, Fig.2; the influence of manganese content in pig iron on the sulphur content in steels - Table 2, Fig.3; the dependence of sulphur content in steel on the MnO content in the final slag - Table 3; frequency distribution of sulphur and phosphorus content of steels (rimming, low alloy AKNL, 25G2S, St5, rail KR) during 1957 - Table 4. It is concluded that in order to produce steel with a sulphur content up to 0.04%, pig iron should not contain more sulphur than 0.05%. At a higher content of sulphur in the pig some special technological measures are necessary which unavoidably lead to an increase in the duration of heat, increased iron losses

Card 1/2

Sov/133/58-9-5/29

Desulphurization of Basic Converter Steel During Top Blowing with Oxygen

and increased consumption of ferromanganese (the content of silicon in the pig should not exceed 0.7%). The desulphurization of iron with soda ash in the ladle gives good results providing a good screening of slag is applied so that no sulphurous slag finds its way into the mixer and then to the converter. Unlike in basic open hearth processes, the desulphurization of steel during top blowing with oxygen in basic converter depends to a considerable degree on the manganese content in iron and manganous oxide content in slag. Slag basicity has little influence on the desulphurization process, probably due to the speed of the smelting process. Industrial trials on the influence of the application of ore-lime briquettes and additions of a rich manganese ore on the desulphurization process are recommended. There are 4 tables and 3 figures. There are no references.

ASSOCIATION: Zavod im. Petrovskogo (Works imeni Petrovskiy)

Card 2/2

LIFSHITS, S. I.

ZAYKOV, S.T., kand. tekhn. nauk; KOROBOV, I.I., inzh.; KOSTENETSKII,
O.N., inzh.; KRAVTSOV, P.Ya., inzh.; LIFSHITS, S.I., kand. tekhn.
nauk; RUBINSKIY, P.S., inzh.; UMINOV, V.D., inzh.

Using limestone-ore briquettes during oxygen blast through pig
iron in converters. Biul. TSVIICHM no. 10:15-21 '58. (MIRA 11:7)
(Bessemer process)